

What is claimed is:

1. A Newton ring prevention film comprising a transparent film in which projections are formed by surface roughening, a transparent film in which projections are formed by providing a projection coating layer, or either of these transparent films wherein a transparent electroconducting layer is further provided on the surface in which the projections are formed, wherein the average surface roughness (RA)/inter-projection distance (SM) of the surface comprising the projection is  $0.8 \times 10^{-3}$  -  $2.0 \times 10^{-3}$ , and the inter-projection distance (SM) is 150  $\mu\text{m}$  or less.

2. The Newton ring prevention film as defined in Claim 1, comprising a transparent film in which projections are formed by providing a projection coating layer, or a transparent film wherein a transparent electroconducting layer is further provided on the surface on which the projections are formed, wherein the projection coating layer is a coating film wherein silica is dispersed in a resin.

3. The Newton ring prevention film as defined in Claim 2, wherein the average aggregate particle size of said silica is  $1.0$ - $3.0 \mu\text{m}$ , and its standard deviation is 1.0 or less.

4. A touch panel using a transparent film covered by a transparent electroconducting layer

as an upper electrode substrate and a transparent film or glass covered by a transparent electroconducting layer as a lower electrode substrate, said upper electrode substrate and said lower electrode substrate being set at a predetermined interval apart with the transparent electrode layers facing each other, wherein the centerline average surface roughness (RA)/inter-projection distance (SM) of the transparent electrode layer surface of at least one of said upper electrode substrate and said lower electrode substrate surface is  $0.8 \times 10^{-3}$  -  $2.0 \times 10^{-3}$ , and the inter-projection distance (SM) is 150  $\mu\text{m}$  or less.

5. The touch panel as defined in Claim 4, said at least one of the transparent films used for the upper electrode substrate and/or lower electrode substrate comprises and Newton ring prevention film comprising a transparent film in which projections are formed by surface roughening, a transparent film in which projections are formed by providing a projection coating layer, or either of these transparent films wherein a transparent electroconducting layer is further provided on the surface in which the projections are formed, wherein the average surface roughness (RA)/inter-projection distance (SM) of the surface comprising the projection is  $0.8 \times 10^{-3}$  -  $2.0 \times 10^{-3}$ , and the inter-projection distance (SM) is 150  $\mu\text{m}$  or less.

6. The touch panel as defined in Claim 5, wherein the Newton ring prevention film further comprises a transparent film in which projections are formed by providing a projection coating layer, or a transparent film wherein a transparent electroconducting layer is further provided on

the surface on which the projections are formed, wherein the projection coating layer is a coating film wherein silica is dispersed in a resin.

- 5           7. The touch panel as defined in Claim 6, wherein the silica has an average aggregate particle size is 1.0-3.0 $\mu$ m and a standard deviation of 1.0 or less.

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